Abstract

A method and associated hardware are disclosed for multiplexing communication connections in a telecommunication system based on time division multiple access. There is defined a burst structure that consists of symbols and fills a time slot at a radio interface. The burst structure is filled with symbols, thus composing a transmission burst, which is transmitted within a time slot. The step of filling the burst structure with symbols comprises the substeps of taking information symbols of a first kind and filling a first part (302, 802, DATA) of the burst therewith, and taking information symbols of a second kind and filling a second part (306, 816, DATA) of the burst therewith. Additionally there is taken control symbols which are used to fill certain control parts (301, 303, 304, 305, 307, 601, 602, 603, 801, 803, 804, 805, 807, 811, 813, 814, 815, 817, 1011, 1012, 1013, S) of the burst.

Fig. 2